

UN 38.3 Test Summary Report

Lithium Cell or Battery Test Summary in Accordance with Section 2.9.4 UN Model Regulations and Sub-section 38.3 of the UN Manual of Tests and Criteria, Part III, subsection 38.3.5

[a] Cell Battery Product
 Tested Type Part #: SR182175
 Same Type Part #: 374310001

[d] Unique report ID: 293

[e] Report date: 2022:06:03

[b] **Manufacturer**
 Saft Civil Electronics Division
 Saft America Inc.
 313 Crescent St., Valdese, NC 28690
 USA
 T: 828-874-4111
lithium-sales@saftbatteries.com
<https://www.saftbatteries.com/>

[c] **Test Laboratory**
 Saft Civil Electronics Division
 Saft America Inc.
 313 Crescent St., Valdese, NC 28690
 USA
 T: 828-874-4111
lithium-sales@saftbatteries.com
<https://www.saftbatteries.com/>

Same Type Part Numbers # (all):

[f] (i) Li-ion Li-metal.

(iv) **Description:** .

Primary (non-rechargeable) Lithium-Sulphur Dioxide (Li-SO₂) 10S10P LO43SHX battery w/ A 5A fuse going to an ECA w/ A 1A fuse on each cell string. 30.0 Volt, 48 Ah.

(ii) Mass: 6885g

(iii) Watt hour rating or Lithium content: 170g.

(v) Cell Battery Product. Model number/Part number: SR182175

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	TR10687
38.3.4.2 T.2: Thermal test	Pass	TR10687
38.3.4.3 T.3: Vibration	Pass	TR10687
38.3.4.4 T.4: Shock	Pass	TR10687
38.3.4.5 T.5: External short circuit	Pass	TR10687
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	TR5857
38.3.4.7 T.7: Overcharge (N.A for Li-metal only)	N.A.	N.A.
38.3.4.8 T.8: Forced discharge (cell only test)	Pass	TR5857

[h] Battery assembly: Not Applicable. UN38.3.3 (f) UN38.3.3 (g)

[i] Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3. *7th revised edition 2019*

[j] Signatory A. Date: 2022.07.21

Name: Adrian Leatherman

Title: Test Lab Manager

Signature:



[j] Signatory B. Date: 2022.07.21

Name: Carlos Negrete

Title: Engineering Manager

Signature:

Important! The above signatory / signatories affirm that this document is a true and correct summary of the original individual tests and test data. The original test data is confidential information available to competent State Authorities with valid identification and only upon their formal request. Disclosure of the original test data to any other entity upon its request will be considered by Saft and, should Saft consider this request is with merit, may be subject to the prior execution of a nondisclosure agreement.